

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: T. Kishibe et al.
Filed: Herewith
Title: METHOD AND APPARATUS FOR ESTIMATING ROTOR POSITION AND FOR
SENSORLESS CONTROL OF A SWITCHED RELUCTANCE MOTOR
TC/A.U.:
Examiner:

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form, other than U.S. patents, is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Reference JP 2001-57791 is not in the English language, but an English abstract thereof is attached to the copy of the reference submitted herewith.

This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Respectfully submitted,


Lawrence E. Ashery, Reg. No. 34,515
Attorney for Applicants

LEA/dlm

Enclosures: PTO Form 1449
(5) References
Search Report

Dated: May 26, 2005

P.O. Box 980
Valley Forge, PA 19482-0980
(610) 407-0700

The Commissioner for Patents is hereby
authorized to charge payment to Deposit
Account No. **18-0350** of any fees associated
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May 26, 2005

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Kathleen Libby

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Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

SHEET 1 of 2

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	T. Kishibe et al.
Art Unit	
Examiner Name	
Attorney Docket No.	AOY-3992US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-5,097,190	3/17/1992	Lyons et al.	
		US-5,140,243	8/18/1992	Lyons et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP 2001-57791 (w/English abstract)	02/27/2001	Daikin Ind Ltd		<input type="checkbox"/>
		EP 1 225 686	07/24/2002	Delphi Technologies Inc		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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10/536571

JC13 Re PCT/PTO 26 MAY 2009

(AW 08/03)

Substitute for Form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	T. Kishibe et al.
Art Unit	
Examiner Name	
Attorney Docket No.	AOY-3992US

SHEET 2 of 2

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		B. Fahimi et al., "Review of Sensorless Control Methods in Switched Reluctance Motor", Industry Applications Conference, 2000, Conference Record of the 2000 IEEE, vol. 3 of 5, pp. 1850-1857.	<input type="checkbox"/>
		G. Suresh et al., "Inductance Based Position Encoding for Sensorless SRM Drives", Power Electronics Specialists Conference, 1999, PESC 99, 30 th Annual IEEE Charlestown, SC, IEEE, pages 832-837.	<input type="checkbox"/>
		S. Saha et al., "Developing a Sensorless Approach for Switched Reluctance Motors from a New Analytical Model", Industry Applications Conference, 1999, 34 th IAS Annual Meeting, Conference Record of the 1999 IEEE Phoenix, AZ, 3-7 Oct. 1999, pp. 525-532.	<input type="checkbox"/>
		International Search Report corresponding to application no. PCT/JP02/12412 dated April 17, 2003.	<input type="checkbox"/>
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Examiner Signature		Date Considered	
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¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

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